

# INTERNATIONAL SEARCH REPORT

Inte Application No  
PCT/GB2004/002506

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 A61F9/00 A45C11/00 B08B11/02		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 A61F A45C B08B		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/163212 A1 (PY DANIEL) 7 November 2002 (2002-11-07)	1-16,18
Y	columns 41-64; claims; figures	17
A	US 4 093 291 A (SCHURGIN HERBERT L) 6 June 1978 (1978-06-06)	1-16,18
Y	column 2, line 42 - column 3, line 2; claims; figures	17
A	US 4 201 408 A (TRESSEL WILLARD) 6 May 1980 (1980-05-06) cited in the application	1-18
A	claims; figures	
A	US 3 600 028 A (HENNING WILHELM) 17 August 1971 (1971-08-17) claims; figures	1-18
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family		
Date of the actual completion of the international search  10 December 2004		Date of mailing of the international search report  23/12/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer  Kuehne, H-C

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	US 4 026 591 A (CLEAVELAND JOHN A) 31 May 1977 (1977-05-31) claims; figures	1-18
A	US 3 091 328 A (LEONARDOS PRISCILLA A) 28 May 1963 (1963-05-28) claims; figures	1-18
A	US 5 236 236 A (GIRIMONT JOHN V) 17 August 1993 (1993-08-17) claims; figures	1-18
A	US 4 427 226 A (SHARTZER EWART E) 24 January 1984 (1984-01-24) cited in the application the whole document	1-18
A	EP 0 778 656 A (SMC CORP) 11 June 1997 (1997-06-11) cited in the application claims; figures	1

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